

ABSTRACT

A GPS microstrip antenna designed to receive satellite provided GPS position for use by a nine inch diameter projectile. The GPS microstrip antenna is configured to wrap around the projectile's body without interfering with the aerodynamic design of the projectile. The GPS microstrip antenna operates at 1.575 GHz with a bandwidth of ± 10 MHz. Eight microstrip antenna elements equally spaced around the projectile provide for circular polarization and a quasi-omni directional radiation pattern.

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